



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total
PO039109	THY001-VC	2	1	Net 30	MT-BRONZE-C63000-R2.500	Bronze C63000 Round Bar 2.500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463				1	3/9/2018	1		S049548	Stock	3/9/2018	\$ 263.89 / ft	0		\$263.89
Total:										1		1								\$204

Plex 3/9/2018 9:13 AM Dart.Dubois.Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039109**

Supplier: THY001-VC
Thyssenkrupp Materials CA Ltd
O/A VPK Metal- c/o T27540
PO Box 4275, Postal "A"
Toronto
ON
M5W 5V8 Canada
Phone: 905 669 9444
Fax: 905 738 9033

PO No: PO039109

PO Date: 2/23/18

Due Date: 3/5/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

E-MAILED
FEB 23 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: quote no. 1203015268

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-BRONZE-C63000-R2.000	1 ft lenght	Bronze C63000 Round Bar 2.000 : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463	Firmed	3/5/18	1 ft	0 ft	1 ft	\$200.78/ft	\$200.78
									MAR 08 2018	DAS 11 9-89
2	MT-BRONZE-C63000-R2.500	1 ft lenght	Bronze C63000 Round Bar 2.500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463	Firmed	3/5/18	1 ft	0 ft	1 ft	\$263.89/ft	\$263.89
									MAR 09 2018	DAS 11 9-89
Grand Total:										\$464.67

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 2/23/18 2:13 PM dart.lavoie.chantal



DELIVERY NOTE



DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE: 03/09/2018
DOC. NO: 2405800687*
BOL. NO: 2405800687
ORDER NO: 1403541295
YOUR P/O: 039109
CUSTOMER NO: 10058125
Route: 303UA
CONTACT: Stan Ivers
TEL: 905-532-1350 ext 21350
FAX: 905-738-9033 ext 9033
EMAIL: STAN.IVERS@THYSSENKRUP
P.COM

**** PLEASE SHIP DIRECT USE PUOLATOR PP *****
MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.**

ATTN: CHANTAL/LINDA

**** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT ****

**** PLEASE SHIP DIRECT USE PUOLATOR PP *******

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1	QTY2	PACKAGE NO
0010	CURD00449	1	PC	1008357267
	Aluminum Bronze C63000 HR50 (drawn & stress relieved) Round			17 lb
	2.5000 (+-.005) X 12 " RBW Cutting - Standard 12			
	Cut To Length			
	12.0000 " 1			
	Actual Chemistry/Act. Physical			
	Standard Packaging			
TAGNUM	QTY	UOM	VEND	VENDPO HLOT
PCS				
1013590460	1	PC	BOLTON AE 0000261964	L25165 1
SAE AMS 4640 H;ROHS COMPLIANT;ASTM B 150/B 150M 2012				

Total Gross Weight

19.000 lb

All items, not declared as partial delivery, are final quantities.

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID

DELIVERY NOTE

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE:	03/09/2018
DOC. NO:	2405800687*
BOL. NO:	2405800687
ORDER NO:	1403541295
YOUR P/O:	039109
CUSTOMER NO:	10058125
Route:	303UA
CONTACT:	Stan Ivers
TEL:	905-532-1350 ext 21350
FAX:	905-738-9033 ext 9033
EMAIL:	STAN.IVERS@THYSSENKRUP P.COM

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance



ISO 9001 2008
AS 9100 Rev.C
LRQ. 0902066

BOLTON AEROSPACE LIMITED

bolton
AEROSPACE

TEST CERTIFICATE
EN 10204:2004 3.1

CUSTOMER SHIPPED TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD ONTARIO L4K 5C6	TEST CERTIFICATE NO.	L25165	Rev 0
	BATCH NO. (LOT NO.)	L25165	
	WORKS ORDER NO.	S33737	
	ALLOY	CA18	
SPECIFICATION ASTM B150-08 C63000 HR50 QQ-C-465B AMD1 83 C63000 AMS 4640 G/H	QUANTITY ORDERED	884 kg	
	WEIGHT DESPATCHED	871 kg	
	CUSTOMER ORDER NO.	PEC-261964	
	DESCRIPTION NICKEL ALUMINIUM BRONZE ROUND ROD 2.500" X 144.000" LENGTH		

MECHANICAL/PHYSICAL PROPERTIES

Tensile Specification	Dia	Area	0.5 % Yield	U.T.S.	Elongation 4D	Hardness
ASTM E8	mm	mm ²	PSI	PSI	%	HB 10/3000
	12.50	122	70.9	119.0	18	241
	12.51	122	71.5	118.0	17	241

CHEMICAL COMPOSITION %

Cu+Ag	Zn	Fe	Mn	Al	Ni	Sn	Pb	Si	Ni+Co
BAL	0.17	3.72	0.36	9.94	4.73	0.02	0.01	0.08	4.73
BAL	0.14	3.72	0.36	9.83	4.65	0.01	0.01	0.06	4.65

"The products to which this declaration relates conform to the conditions and requirements of the purchaser and to the description, quantity and specification stated".

"These products have been produced under a certified quality system. The test results have been determined by an assessed or accredited laboratory"

REMARKS

MERCUROUS NITRATE TEST SATISFACTORY
COUNTRY OF MELT & MANUFACTURE IS U.K
NO WELD REPAIRS

We certify that material is free from mercury contamination.

Signed for and on behalf of
BOLTON AEROSPACE LIMITED

Chief Inspector

M HUDSON

Date.....

Friday, 12 December 2014

Bolton Aerospace Limited

PO Box 22, Hadleigh Road, Ipswich, Suffolk, IP2 0EG
Tel: +44 (0) 1473 252127 Fax: +44 (0) 1473 218229

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-Bronze-C63000-R2.500

PO / BATCH NO.: 039108/5049548

DATE: MAR 09 2018

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 1
 QUANTITY INSPECTED: 1
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.500
 THICKNESS RECEIVED: 2.500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

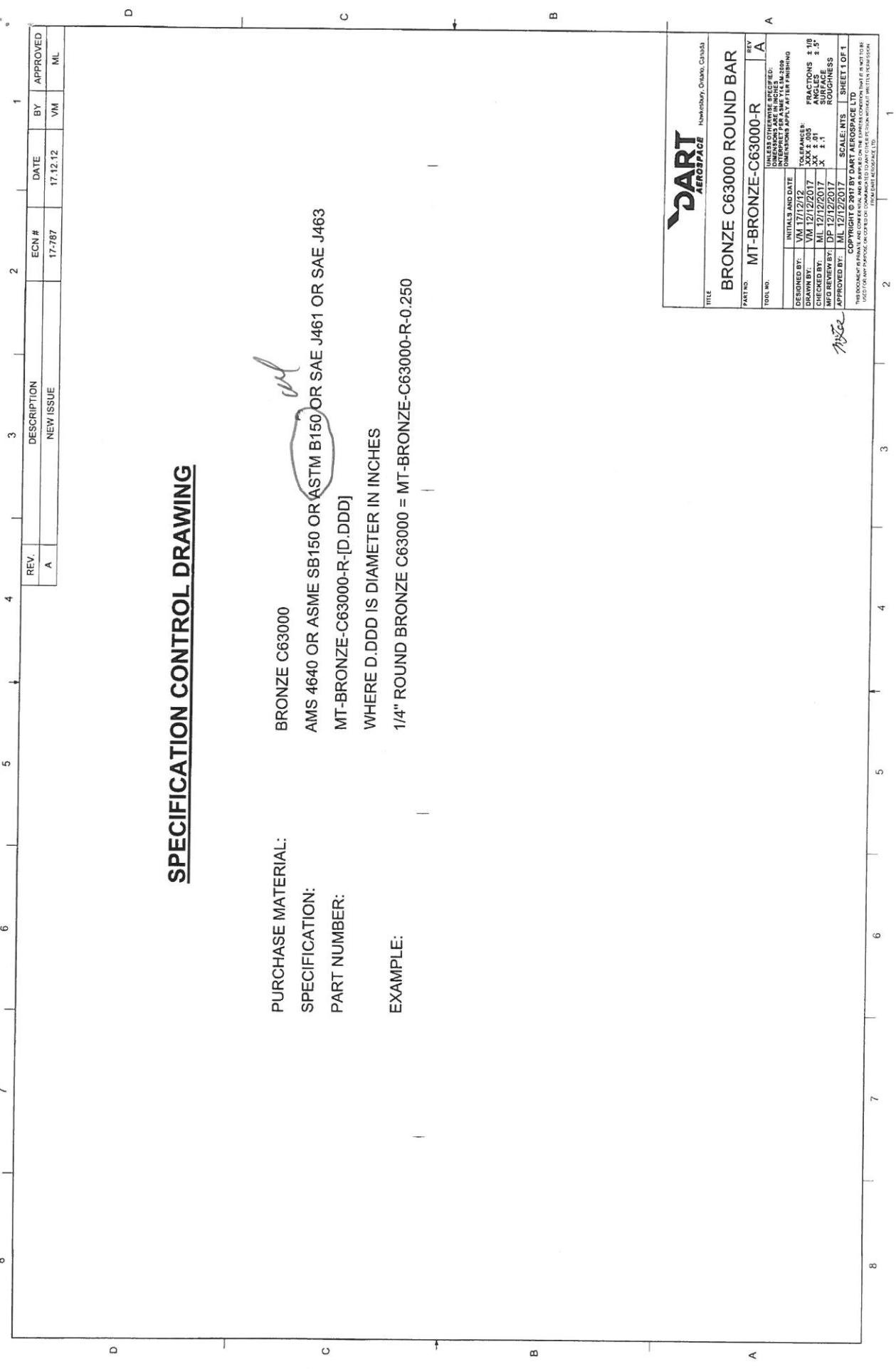
DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>Astm B150</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>test # L25165</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____		
DATE: <u>9-89 MAR 09 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL:

BRONZE C63000

SPECIFICATION:

AMS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463

PART NUMBER:

MT-BRONZE-C63000-R-[D.DDD]

EXAMPLE:

1/4" ROUND BRONZE C63000 = MT-BRONZE-C63000-R-0.250

WHERE D.DDD IS DIAMETER IN INCHES

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	17-787	17.12.12	VM	ML

DART AEROSPACE		Newbury, Ontario, Canada	
TITLE BRONZE C63000 ROUND BAR			
PART NO.	MT-BRONZE-C63000-R	REV	A
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS APPLY AFTER FINISHING			
DESIGNED BY:	VM 17/12/12	TOLERANCES	FRACTIONS ±.00
DRAWN BY:	VM 12/12/2017	DECIMALS	±.01
CHECKED BY:	ML 12/12/2017	ANGLES	±.01
APPROVED BY:	ML 12/12/2017	SURFACE	ROUGHNESS
COPYRIGHT © 2017 BY DART		SCALE	NIS
SHEET 1 OF 1		THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. ANY REPRODUCTION OR DISSEMINATION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE IS PROHIBITED.	